



Please indicate whether you are applying for one or both programs:

XX ☐ Both

☐ EPA Performance Track

☐ Colorado Environmental Leadership

**A08-0013 03-09-04**

*Application Form*

National Renewable Energy Laboratory

Name of facility\*

NREL is managed for the U.S. Department of Energy by Midwest  
Research Institute, Battelle Memorial Institute and Bechtel National, Inc.

Name of parent company (if any)

1617 Cole Boulevard

Street address

Street address (continued)

Golden, CO 80401

City/State/Zip code

Give us information about your contact person for the National  
Environmental Performance Track/Colorado Environmental  
Leadership Program(s).

Name Mr./Mrs./Ms./Dr. Ms. Maureen Jordan or Ms. Denise Rayborn

Title Sr. Envir. Engineer / Project Leader, State & Local Initiatives

Phone 303-275-3248 / 303-275-3779

Fax 303-275-4002 / 303-275-3033

E-mail [Maureen.Jordan@nrel.gov](mailto:Maureen.Jordan@nrel.gov) / [denise\\_rayborn@nrel.gov](mailto:denise_rayborn@nrel.gov)

Facility/Company Website [www.nrel.gov](http://www.nrel.gov)

\* If you are applying for multiple facilities, you must call 1-888-339-PTRK(7875)

***Why do we need this information?***

EPA needs background information on your facility to evaluate your application.

***What do you need to do?***

- ♦ Provide background information on your facility.
- ♦ Identify your environmental requirements.

# Section A

*Tell us about your facility.*

**1** What do you do or make at your facility?

The National Renewable Energy Laboratory (NREL) is the U.S. Department of Energy's premier laboratory for renewable energy research, development and deployment, and a leading laboratory for energy efficiency. As such, NREL is a world leader in the development of these technologies, benefiting both the environment and the economy.

The laboratory's mission is to develop renewable energy and energy efficiency technologies and practices, advance related science and engineering, and transfer knowledge and innovations to address the nation's energy and environmental goals.

NREL was established as the Solar Energy Research Institute (SERI) in 1974, and opened its doors in Golden, Colo., in 1977. SERI became NREL in 1991 when President George Bush designated it a national laboratory.

Fifty areas of scientific investigation at NREL include photovoltaics, wind energy, biomass-derived fuels and chemicals, energy-efficient buildings, advanced vehicles, solar manufacturing, industrial processes, solar thermal systems, hydrogen fuel cells, superconductivity, geothermal, distributed energy generation and waste-to-energy technologies. R&D, Discover, and Popular Science magazine have ranked many of NREL's research achievements among the nation's most significant technical innovations.

NREL is managed for the U.S. Department of Energy by Midwest Research Institute, Battelle Memorial Institute and Bechtel National, Inc.

**2** List the North American Industrial Classification System (NAICS) codes that you use to classify business at your facility.

NAICS  
541710      \_\_\_\_\_

**3** Does your company meet the Small Business Administration definition of a small business for your sector?

☐ Yes      ☒ No

4 How many employees (full-time equivalents) currently work at your facility? If you checked "Yes" in question 3 and have fewer than 50 employees at your facility, then you are considered a "small facility" by the Performance Track Program. The Colorado Environmental Leadership Program does not distinguish between large and small facilities.

☐ Fewer than 50

☐ 50-99

☐ 100-499

XX ☐ 500-1,000

☐ More than 1,000

5 Complete the Environmental Requirements Checklist on pages 32-38 of the instructions and enclose it with your application.

See attached checklist.

- 6 Optional: Is there anything else you would like to tell us about your facility? Do you participate in other voluntary programs at the local, tribal, State, or Federal level?

NREL is a member or participant in the following:

EPA Climate Leaders

EPA Green Power Partnerships

EPA Labs for the 21<sup>st</sup> Century

U.S. Green Buildings Council, member

National Pollution Prevention Roundtable, member

Multi-State Working Group on Environmental Performance

Denver Regional Council of Governments, Rush Hour Relief Program participants

RTD Ecopass Program

Bike to Work Week

NREL will join the Federal Network for Sustainability at a signing ceremony in Dec '03

Host for CDPHE Ozone monitoring station.

Additionally, please note that NREL has implemented a sustainability initiative entitled Sustainable NREL.

NREL defines the term "Sustainability" in the sense of an organization and its operations, as the simultaneous and balanced pursuit of economic viability, environmental health, and public responsibility over the long-term through appropriate investment decisions and operating practices.

Sustainable NREL is a voluntary initiative to identify and implement ways to help NREL become more sustainable in all its operations, in synergy with the Laboratory's mission. One of the goals of Sustainable NREL is to meet and exceed Executive and Department of Energy Orders in the area of sustainability.

More information about Sustainable NREL is available on the web site: [www.nrel.gov/sustainable\\_nrel/](http://www.nrel.gov/sustainable_nrel/)

### ***Why do we need this information?***

Facilities need to have an operating Environmental Management System (EMS) that meets certain requirements.

### ***What do you need to do?***

- ♦ Confirm that your EMS meets the Performance Track/Colorado Environmental Leadership requirements.
- ♦ Tell us if you have completed a self-assessment or have had a third-party assessment of your EMS.

# *Section B*

*Tell us about your EMS.*

Read the EMS requirements on page 9-12 of instructions.  
Tell us if your EMS meets these requirements for:

**1** Environmental policy \_\_\_\_\_ XX☐ Yes ☐ No

**2** Planning \_\_\_\_\_ XX☐ Yes ☐ No

**3** Implementing and operation \_\_\_\_\_ XX☐ Yes ☐ No

**4** Checking and corrective action \_\_\_\_\_ XX☐ Yes ☐ No

**5** Management review \_\_\_\_\_ XX☐ Yes ☐ No

**6** Have you done a comprehensive review of all activities conducted at your facility that could impact the environment? (i.e., have you done an aspect analysis?) XX☐ Yes ☐ No

**7** Have you classified your aspects based on their potential harm to the environment, on community concerns, and/or on other objective factors? (i.e., have you determined your significant aspects?) XX☐ Yes ☐ No

**8** When did you last update your aspect analysis? (mo/yr) October 2003

**9** Have you completed at least one EMS cycle (plan-do-check-act)? XX☐ Yes ☐ No

**10** Did this cycle include both an EMS and a compliance audit? XX☐ Yes ☐ No

**11** Have you completed an objective self-assessment or third-party assessment of your EMS? XX☐ Yes ☐ No

If yes, what method of EMS assessment did you use?

Self-assessment

Third-party assessment

☐ GEMI

☐ ISO 14001 Certification

☐ CEMP

XX☐ Other - ISO 14001, EMAS, and NEPT Standards used as basis for assessment.

☐ Other

Simultaneously, a gap analysis with Agenda 21 was performed.

### ***Why do we need this information?***

Facilities need to show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

### ***What do you need to do?***

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.

# Section C

*Tell us about your past achievements and future commitments.*

**Part 1** You must report past achievements for at least two environmental aspects, and you must choose these aspects from the Environmental Performance Table on pages 29-31 of the instructions. Please quantify each of your aspects using the units listed for that aspect in the Environmental PTrack Information Hotline at 1-888-339-PTRK.

**Note to small facilities:** If you are a small facility, you must report past achievements for only one environmental aspect.

### ***First achievement***

1 What aspect have you selected from the Table on page 29-31?	Air Emissions: Emissions of Greenhouse Gases	
2 What units are you using to quantify this aspect? (See Table, page 29-31.)	Tons (metric)	
	PAST	CURRENT
3 List the past annual quantity of the aspect (from two years ago) and the current annual quantity of the aspect (from the most recent year for which you have data).	'00: 48,000 kWh wind generated electricity purchased = 49 metric tons CO2 equivalent reduced'	'02: 1,981,200 kWh wind generated electricity purchased = 2028 metric tons CO2 equivalent reduced
4 What are the years for which you are reporting these quantities?	'00 and '01: 48,000 kWh wind generated electricity purchased each year = 49 metric tons CO2 equivalent reduced each year	'02: 1,981,200 kWh wind generated electricity purchased = 2028 metric tons CO2 equivalent reduced
5 Estimate your past normalizing factor (Page 18 of the Instructions will help you calculate this.)	1.0	1.0
6 What is your normalizing factor based on (e.g., production, employment)?	Employment	
7 You reported an improvement in the quantity of the aspect in Question 3. How did you achieve this improvement?	Beginning in '02, NREL has purchased annually 10% of its annual electrical usage from the local utility in the form of wind power. NREL is committed to continuing this Green Power Purchasing (GPP) practice for continued air emissions reductions.  In 2001, NREL' set the following goals: GPP goal was 3% of its annual electrical usage by 2002; 5% by 2005; 8% by 2010. To date, NREL has far exceeded the 2010 goals set in 2001.	

## Section C, continued

### Second achievement

1 What aspect have you selected from the Table on page 29-31?	Water Use: Total Water Use	
2 What units are you using to quantify this aspect? (See Table, page 29-31.)	gallons	
	PAST	CURRENT
3 List the past annual quantity of the aspect (from two years ago) and the current annual quantity of the aspect (from the most recent year for which you have data).	2000 water use = 13,911,400 gals	2002 water use = 10,717,500 gals
4 What are the years for which you are reporting these quantities?	'00 water use = 13,911,400 gals '01 water use = 11,110,100 gals	'02 water use = 10,717, 500 gals
5 Estimate your past normalizing factor (Page 18 of the Instructions will help you calculate this.)	1.0	1.0
6 What is your normalizing factor based on (e.g., production, employment)?	Employment	
7 You reported an improvement in the quantity of the aspect in Question 3. How did you achieve this improvement?	<p>Through implementation of 4 Best Management Practices (BMPs), NREL achieved a 12.2% reduction in water use in '01 from the 2000 baseline, and an additional 3% reduction in '02 from the 2000 baseline for a total of 3,193,900 gals reduced water use.</p> <p>The BMPs implemented include installation of low-flush toilets and waterless urinals, and retrofitting faucets and showerheads with low flow alternatives. Additionally, NREL implemented a Water Efficiency Plan.</p>	

**Part 2** You must make future commitments for at least four environmental aspects, and you must choose these aspects from the Environmental Performance Table on pages 29-31 of the Instructions. The aspects you select for your future commitments should be related to the objectives and targets in your EMS. Where possible, they also should be identified as having a significant environmental impact in your EMS. No more than two of your aspects can be from the same environmental category. If you're not sure how your objectives and targets fit into our aspects or whether your aspects are significant, call the PTrack Information Hotline at 1-888-339-PTRK or the Colorado Environmental Leadership Program at (303)692-3477.

Once you have chosen your four environmental aspects, then fill in all the necessary information for these aspects in the tables on pages 7-10 of this form. Please quantify each of your aspects using the units listed for that aspect in the Environmental Performance Table. Each table that you must fill in corresponds to one of the environmental aspects you have chosen.

We will assume that your performance commitments are based on a constant production or employment level. If you would like to base your commitment on changing production or employment, please fill out optional questions 6a and 6b.

**Note to small facilities:** If you are a small facility, you must report future commitments for only two environmental aspects.

## Section C, continued

### First commitment

<b>1</b>	What aspect have you selected from the Table on pages 29-31?	Air Emissions: Emissions of Greenhouse Gases	
<b>2</b>	What units are you using to quantify this aspect?	Tons (metric)	
<b>3a</b>	Is this aspect considered significant in your EMS?	X <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>3b</b>	If no, please explain why you believe this aspect should be included as a performance commitment.		
		CURRENT	FUTURE
<b>4</b>	List the current annual quantity of the aspect and the annual quantity you are committing to achieve by the end of the third year of your participation in Performance Track and/or Colorado Environmental Leadership.	'03: 23,619 metric tons of CO2	'06 goal: 21,234 metric tons of CO2
<b>5</b>	What are the years for which you are reporting these quantities?	'03	'06
<b>6a</b>	(Optional) What is your future normalizing factor. (Page 21 of the Instructions will help you calculate this.)	1.0	
<b>6b</b>	(Optional) What is your normalizing factor based on (e.g., production, employment)?	Square footage	
<b>7</b>	You committed to an improvement in the quantity of this aspect in Question 4. How do you plan to achieve this improvement?	This improvement will be pursued in a number of ways including: increase purchase of energy from renewable sources; increase deployment of on-site renewable energy technologies for power generation; increase use of on-site monitoring equipment to identify and implement energy efficiency measures; deployment of energy efficient technologies on-site; and implement additional viable GHG mitigation opportunities.	
<b>8a</b>	Are you subject to Federal, State, tribal, or local regulatory requirements for this aspect?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>8b</b>	If yes, please list those requirements, including the quantitative limits and compliance deadlines that apply to you. Explain how your commitment exceeds requirements.	NREL does not have any regulatory requirements for GHG emissions reductions.	



## Section C, continued

### Second commitment

<b>1</b>	What aspect have you selected from the Table on pages 29-31?	Water Use: Total Water Use	
<b>2</b>	What units are you using to quantify this aspect?	gallons	
<b>3a</b>	Is this aspect considered significant in your EMS?	X <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>3b</b>	If no, please explain why you believe this aspect should be included as a performance commitment.		
		CURRENT	FUTURE
<b>4</b>	List the current annual quantity of the aspect and the annual quantity you are committing to achieve by the end of the third year of your participation in Performance Track and/or Colorado Environmental Leadership.	'03 water use = 10,717,500 gals	'06 water use = 10,181,625 gals (By 2006, NREL will reduce water usage by 5% from the 2003 baseline = 535,875 gals.)
<b>5</b>	What are the years for which you are reporting these quantities?	'03	'06
<b>6a</b>	(Optional) What is your future normalizing factor. (Page 21 of the Instructions will help you calculate this.)	1.0	
<b>6b</b>	(Optional) What is your normalizing factor based on (e.g., production, employment)?	Square footage	
<b>7</b>	You committed to an improvement in the quantity of this aspect in Question 4. How do you plan to achieve this improvement?	'04: Evaluate 3 water use Best Management Practices (BMPs) for implementation viability; '05: Select a viable BMP option for implementation and begin implementation; '06: Begin evaluation of BMP implemented for continuous improvement opportunities.	
<b>8a</b>	Are you subject to Federal, State, tribal, or local regulatory requirements for this aspect?	X <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>8b</b>	If yes, please list those requirements, including the quantitative limits and compliance deadlines that apply to you. Explain how your commitment exceeds requirements.	Federal EO 13123 requires NREL to implement 4 BMPs by 2010. DOE requires NREL in its Performance Agreement to implement 2 BMPs within 2 years for a total of 4 BMPs. NREL has completed 4 BMPs (Please see Achievement 2, pg 7) and will continue to evaluate and implement additional viable BMPs exceeding the 4 federal and DOE requirements for additional water use reductions.	

## Section C, continued

### Third commitment

<b>1</b>	What aspect have you selected from the Table on pages 29-31?	Air Emissions: Emissions of Carbon Monoxide	
<b>2</b>	What units are you using to quantify this aspect?	lbs	
<b>3a</b>	Is this aspect considered significant in your EMS?	X <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>3b</b>	If no, please explain why you believe this aspect should be included as a performance commitment.		
		CURRENT	FUTURE
<b>4</b>	List the current annual quantity of the aspect and the annual quantity you are committing to achieve by the end of the third year of your participation in Performance Track and/or Colorado Environmental Leadership.	'03: 257 lbs CO emissions	'06 : 218 lbs CO emissions
<b>5</b>	What are the years for which you are reporting these quantities?	'03	'06
<b>6a</b>	(Optional) What is your future normalizing factor. (Page 21 of the Instructions will help you calculate this.)	1.0	
<b>6b</b>	(Optional) What is your normalizing factor based on (e.g., production, employment)?	Square footage	
<b>7</b>	You committed to an improvement in the quantity of this aspect in Question 4. How do you plan to achieve this improvement?	<p>NREL will achieve improvement to air quality through Alternative Fuel Vehicle (AFV) purchases.</p> <p>NREL Executive Management has a long-term goal of 100% AFV's and hybrids for all nonexempt vehicles. NREL will commit to the following:</p> <p>'04: Request to GSA that 100% of NREL fleet acquisitions (LDV and MDV) are AFV's. Anticipated potential acquisitions: 3 LDV AFV's.</p> <p>'05: Request to GSA that 100% of NREL fleet acquisitions (LDV and MDV) are AFV's. Anticipated potential acquisitions: 2 LDV AFV's.</p> <p>'06: Request to GSA that 100% of NREL fleet acquisitions (LDV and MDV) are AFV's. Anticipated potential acquisitions: 2 LDV AFV's.</p> <p>Potentially, NREL could acquire a net gain of 7 AFV's by '06 for potential reduction in air emissions of 39 lbs CO. (Note: this assumes 7 CNG acquisitions. Ethanol acquisitions will result in 17 lbs reduced CO.)</p>	
<b>8a</b>	Are you subject to Federal, State, tribal, or local regulatory requirements for this aspect?	X <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>8b</b>	If yes, please list those requirements, including the quantitative limits and compliance deadlines that apply to you. Explain how your commitment exceeds requirements.	<p>Energy Policy Act; EO 13149; DOE Compliance Strategy for EO 13149: 75% of light duty acquisitions FY '03 are AFV's, base year 1999.</p> <p>NREL's commitment exceeds the required 75% of light duty fleet acquisitions.</p>	

## Section C, continued

### Fourth commitment

<b>1</b>	What aspect have you selected from the Table on pages 29-31?	Energy Use: Total Energy Use	
<b>2</b>	What units are you using to quantify this aspect?	Btu	
<b>3a</b>	Is this aspect considered significant in your EMS?	X <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>3b</b>	If no, please explain why you believe this aspect should be included as a performance commitment.		
		CURRENT	FUTURE
<b>4</b>	List the current annual quantity of the aspect and the annual quantity you are committing to achieve by the end of the third year of your participation in Performance Track and/or Colorado Environmental Leadership.	'03 energy use: 98,493,946,470 Btu	'06 energy use: 95,539,108,608 Btu (i.e. 3% reduction of '03 energy use)
<b>5</b>	What are the years for which you are reporting these quantities?	'03	'06
<b>6a</b>	(Optional) What is your future normalizing factor. (Page 21 of the Instructions will help you calculate this.)	1.0	
<b>6b</b>	(Optional) What is your normalizing factor based on (e.g., production, employment)?	Square footage	
<b>7</b>	You committed to an improvement in the quantity of this aspect in Question 4. How do you plan to achieve this improvement?	<p>The Laboratory recently implemented a site-metering project, designed to measure energy use in all NREL-owned buildings. This energy-use database is being used by building managers for utility cost management, but is also accessible to staff members concerned with energy-use reduction in their individual work areas.</p> <p>NREL recently deployed a power-management tool to PC desktops throughout the Lab. Based on the data collected, power-management setting changes will be recommended for NREL's computers and monitors</p> <p>NREL will also evaluate viable energy efficiency projects for implementation.</p>	
<b>8a</b>	Are you subject to Federal, State, tribal, or local regulatory requirements for this aspect?	X <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>8b</b>	If yes, please list those requirements, including the quantitative limits and compliance deadlines that apply to you. Explain how your commitment exceeds requirements.	<p>EO 13123 and DOE 430.2A: Energy and Utilities Management requires:</p> <p>'05: 20% energy use reduction from 1990 baseline</p> <p>'10: 25% energy use reduction from 1990 baseline</p> <p>The 3% reduction goal in 2006 will exceed 2010 requirement (EO 13123 and DOE 430.2A).</p>	

### ***Why do we need this information?***

Facilities need to demonstrate their commitment to public outreach and performance reporting. You should have appropriate mechanisms in place to identify community concerns, to communicate with the public, and to provide information on your environmental performance.

### ***What do you need to do?***

- ◆ Describe your approach to public outreach.
- ◆ List three references who are familiar with your facility.

# *Section D*

*Tell us about your public outreach and reporting.*

## ***1*** How do you identify and respond to community concerns?

Concerns may be brought to NREL's attention in a number of ways. Concerns or inquiries coming in via e-mail or telephone are directed to NREL's External and Stakeholder Relations Manager, who responds via telephone and/or e-mail. An annual community meeting is held at the NREL campus that is open to any interested member of the public. NREL also holds regular meetings for community leaders, such as mayors, county commissioners, and city council members. Concerns are addressed at those meetings as much as possible; additional follow-up is conducted as necessary.

## ***2*** How do you inform community members of important matters that affect them?

An annual environmental report is prepared and posted on NREL's website and placed in the public reading room at NREL's Visitor Center. A newsletter is mailed periodically to area residents, businesses, and other interested stakeholders. An annual community meeting is held at the NREL campus that is open to any interested member of the public. NREL also holds regular meetings for community leaders, such as mayors, county commissioners, and city council members. NREL participates in Jefferson County Planning processes regarding local land use. NREL staff also participates in civic leader groups, such as serving as Chamber of Commerce Board members and governing committee members.

## ***3*** How will you make the Performance Track/Colorado Environmental Leadership Annual Performance Report available to the public?

XX ☐ Website [www.nrel.gov/sustainable\\_nrel/](http://www.nrel.gov/sustainable_nrel/)

☐ Newspaper

☐ Open Houses

☐ Other

## Section D, continued

4 Are there any ongoing citizen suits against your facility? ☐ Yes ☒ No

If yes, describe briefly in the right-hand column.

5 List references below

	Organization	Name	Phone number
Representative of a Community/ Citizen Group	Jefferson County Local Emergency Planning Committee	Timothy Gablehouse, Chairperson	303-572-0050
	West Metro Fire Protection District	Lieutenant David Dunn, Hazardous Materials Compliance Officer	303-989-4307 x.539
State/tribal/local regulator	Colorado Department of Public Health & Environment, Hazardous Materials and Waste Management Division	Joyce Williams, Environmental Compliance Officer	303-692-3361
	U.S. Department of Energy	Steven Blazek, NEPA Compliance Officer	303-275-4723
Other community/local reference (e.g., emergency management official or business associate)	Colorado Environmental Partnership	Paul Aldretti, Executive Director	303-433-1020
	Golden Chamber of Commerce	Gary Wink, President/CEO	303-279-3113

# Section E

## Application and Participation Statement.

On behalf of National Renewable Energy Laboratory  
[my facility],

I certify that

I have read and agree to the terms and conditions for Application and Participation in the National Environmental Performance Track/Colorado Environmental Leadership, as specified in the *National Environmental Performance Track/Colorado Environmental Leadership Program Guide* and in the *Application Instructions*;

- I have personally examined and am familiar with the information contained in this Application, including the Environmental Requirements Checklist. The information contained in this Application is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete, and I have no reason to believe the facility would not meet all program requirements;
- My facility has an environmental management system (EMS), as defined in the Performance Track/Colorado Environmental Leadership EMS requirements, including systems to maintain compliance with all applicable Federal, State, tribal, and local environmental requirements in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all Federal, State, tribal, and local environmental requirements, and the facility has corrected all identified instances of potential or actual noncompliance;
- Based on the foregoing compliance assessment and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable Federal, State, tribal, and local environmental requirements.

I agree that EPA's and or Colorado's decision whether to accept participants into or remove them from the National Environmental Performance Track or Colorado Environmental Leadership Program is wholly discretionary, and I waive any right that may exist under any law to challenge EPA or Colorado's acceptance or removal decision.

I am the senior facility manager and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is applying to this program.

Signature/Date

Printed Name/Title

Mr./Mrs./Ms./Dr. Admiral Richard Truly, Director

Phone Number/E-mail

303-275-3000 / [Richard\\_truly@nrel.gov](mailto:Richard_truly@nrel.gov)

Facility Name

National Renewable Energy Laboratory

Facility Street Address

1617 Cole Boulevard

City/State/Zip Code

Golden, CO 80401

## **Paperwork Reduction Act Notice**

The public reporting and recordkeeping burden for this collection of information is estimated to average 40 hours per response. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Use the Environmental Requirements Checklist to answer Question 5 in *Section A, Tell us about your facility*. This Checklist will help you identify the *major* Federal, State, tribal, and local environmental requirements that apply at your facility, but it is not an exhaustive list of all environmental requirements that may be applicable at your facility.

Fill in your facility information below and enclose the completed Checklist with your application.

### **Air Pollution Regulations**

*Check all that apply*

- ☒ 1. National Emission Standards for Hazardous Air Pollutants (40 CFR 61)
- ☒ 2. Permits and Registration of Air Pollution Sources
- ☒ 3. General Emission Standards, Prohibitions, and Restrictions
- ☐ 4. Control of Incinerators
- ☐ 5. Process Industry Emission Standards
- ☐ 6. Control of Fuel Burning Equipment
- ☐ 7. Control of VOCs
- ☐ 8. Sampling, Testing, and Reporting
- ☒ 9. Visible Emissions Standards
- ☒ 10. Control of Fugitive Dust
- ☐ 11. Toxic Air Pollutants Control
- ☐ 12. Vehicle Emissions Inspections and Testing

*Other (you must list these if applicable)*

- ☐ 13. Federal, State, tribal, or local regulations not listed above.
- ☒ 14. ID Numbers (specify whether State or Federal).
  - 00JE0010L - Colorado air emission permit for land development
  - 00JE0009L - Colorado air emission permit for land development
  - 99JE0400 - Colorado air emissions permit for pilot scale research process
  - 00407-001, 00407-002 -- Colorado registration of stationary appliances (SERF)



## Hazardous Waste Management Regulations

*Check all that apply.*

- ☒ 1. Identification and listing of hazardous waste (40 CFR 261)
  - ☒ - Characteristic waste
  - ☒ - Listed waste
- ☒ 2. Standards Applicable to Generators of Hazardous Waste (40 CFR 262)
  - ☒ - Manifesting
  - ☒ - Pre-transport requirements
  - ☒ - Record keeping/reporting
- ☐ 3. Standards Applicable to Transporters of Hazardous Waste (40 CFR 263)
  - ☐ - Transfer facility requirements
  - ☐ - Manifest system and record-keeping
  - ☐ - Hazardous waste discharges
- ☐ 4. Standards for Owners and Operators of TSD Facilities (40 CFR 264)
  - ☐ - General facility standards
  - ☐ - Preparedness and prevention
  - ☐ - Contingency plan and emergency procedures
  - ☐ - Manifest system, record-keeping, and reporting
  - ☐ - Groundwater protection
  - ☐ - Financial requirements
  - ☐ - Use and management of containers
  - ☐ - Tanks
  - ☐ - Waste piles
  - ☐ - Land treatment
  - ☐ - Incinerators
- ☐ 5. Interim Standards for TSD Owners and Operators (40 CFR 265)
- ☐ 6. Interim Standards for Owners and Operators of New Hazardous Waste Land Disposal Facilities (40 CFR 267)
- ☐ 7. Administered Permit Program (Part B) (40 CFR 270)

*Other (you must list these if applicable)*

- ☐ 8. Federal, State, tribal, or local regulations not listed above
- ☒ 9. ID Numbers (specify whether State or Federal).
  - CO4890000017 - Colorado Notification of Regulated Waste Activity (DWOP site)
  - CO3890090076 - Colorado Notification of Regulated Waste Activity (STM site)
  - COD980805162 - Colorado Notification of Regulated Waste Activity (JSF site)
  - COD983802448 - Colorado Notification of Regulated Waste Activity (NWTC site)

## Hazardous Materials Management

*Check all that apply.*

- ☐ 1. Control of Pollution by Oil and other Hazardous Substances (33 CFR 153)
- ☒ 2. Designation of Reportable Quantities and Notification of Hazardous Materials Spill (40 CFR 302)
- ☒ 3. Hazardous Materials Transportation Regulations (49 CFR 172-173)
- ☒ 4. Worker Right-to-Know Regulations (29 CFR 1910.1200)
- ☒ 5. Community Right-to-Know Regulations (40 CFR 350-372)
- ☐ 6. Underground Storage Tank Regulations (40 CFR 280-282)

*Other (you must list these if applicable)*

- ☒ 7. Federal, State, tribal, or local regulations not listed above.  
Above Ground Storage Tank Regulations (Colorado: 7 CCR 1101-14)  
West Metro Fire Protection District hazardous materials permits
- ☒ 8. ID Numbers (specify whether State or Federal).  
2873-001 - Colorado Above Ground Storage Tank Registration (ethanol)  
2873-002 - Colorado Above Ground Storage Tank Registration (SERF diesel emerg. gen.)

## Solid Waste Management

*Check all that apply.*

- ☐ 1. Criteria for Classification of Solid Waste Disposal Facilities and Practices (40 CFR 257)
- ☐ 2. Permit Requirements for Solid Waste Disposal Facilities
- ☐ 3. Installation of Systems of Refuse Disposal
- ☐ 4. Solid Waste Storage and Removal Requirements
- ☐ 5. Disposal Requirements for Special Wastes

*Other (you must list these if applicable)*

- ☐ 6. Federal, State, tribal, or local regulations not listed above.
- ☐ 7. ID Numbers (specify whether State or Federal).

## Water Pollution Control Requirements

*Check all that apply.*

- ☒ 1. Oil Spill Prevention Control and Countermeasures (SPCC) (40 CFR 112)
- ☒ 2. Designation of Hazardous Substances (40 CFR 116)
- ☒ 3. Determination of Reportable Quantities for Hazardous Substances (40 CFR 117)
- ☒ 4. NPDES Permit Requirements (40 CFR 122)
- ☐ 5. Toxic Pollutant Effluent Standards (40 CFR 129)
- ☐ 6. General Pretreatment Regulations for Existing and New Sources (40 CFR 403)  
Name of POTW  
ID # of POTW
- ☐ 7. Organic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 414)
- ☐ 8. Inorganic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 415)
- ☐ 9. Plastics and Synthetics Point Source Effluent Guidelines and Standards (40 CFR 416)
- ☐ 10. Water Quality Standards
- ☐ 11. Effluent Limitations for Direct Dischargers
- ☐ 12. Permit Monitoring/Reporting Requirements
- ☐ 13. Classifications and Certifications of Operators and Superintendents of Industrial Wastewater Plants
- ☐ 14. Collection, Handling, and Processing of Sewage Sludge
- ☐ 15. Oil Discharge Containment, Control and Cleanup
- ☐ 16. Standards Applicable to Indirect Discharges (Pretreatment)

*Other (you must list these if applicable)*

- ☐ 17. Federal, State, tribal, or local regulations not listed above.
- ☐ 18. ID Numbers (specify whether State or Federal).

## Drinking Water Regulations

*Check all that apply.*

- ☐ 1. Underground Injection and Control Regulations, Criteria and Standards (40 CFR 144, 146)
- ☒ 2. National Primary Drinking Water Standards (40 CFR 141)
- ☐ 3. Community Water Systems, Monitoring and Reporting Requirements (40 CFR 141)
- ☐ 4. Permit Requirements for Appropriation/Use of Water from Surface or Subsurface Sources
- ☐ 5. Underground Injection Control Requirements
- ☐ 6. Monitoring, Reporting and Record keeping Requirements for Community Water Systems

*Other (you must list these if applicable)*

- ☐ 7. Federal, State, tribal, or local regulations not listed above.
- ☒ 8. ID Numbers (specify whether State or Federal).  
230860 - Colorado PWSID

## Toxic Substances

*Check all that apply.*

- ☐ 1. Manufacture and Import of Chemicals, Record-keeping and Reporting Requirements (40 CFR 704)
- ☐ 2. Import and Export of Chemicals (40 CFR 707)
- ☐ 3. Chemical Substances Inventory Reporting Requirements (40 CFR 710)
- ☐ 4. Chemical Information Rules (40 CFR 712)
- ☐ 5. Health and Safety Data Reporting (40 CFR 716)
- ☐ 6. Pre-Manufacture Notifications (40 CFR 720)
- ☐ 7. PCB Distribution Use, Storage and Disposal (40 CFR 761)
- ☐ 8. Regulations on Use of Fully Halogenated Chlorofluoroalkanes (40 CFR 762)
- ☐ 9. Storage and Disposal of Waste Material Containing TCDD (40 CFR 775)

*Other (you must list these if applicable)*

- ☐ 10. Federal, State, tribal, or local regulations not listed above.
- ☐ 11. ID Numbers (specify whether State or Federal).

## Pesticide Regulations

*Check all that apply.*

- ☐ 1. FIFRA Pesticide Use Classification (40 CFR 162)
- ☐ 2. Procedures Storage and Disposal of Pesticides and Containers (40 CFR 165)
- ☒ 3. Certification of Pesticide Applications (40 CFR 171)
- ☐ 4. Pesticide Licensing Requirements
- ☐ 5. Labeling of Pesticides
- ☒ 6. Pesticide Sales, Permits, Records, Application and Disposal Requirements
- ☒ 7. Disposal of Pesticide Containers
- ☒ 8. Restricted Use and Prohibited Pesticides

*Other (you must list these if applicable)*

- ☐ 9. Federal, State, tribal, or local regulations not listed above.
- ☐ 10. ID Numbers (specify whether State or Federal).

## Environmental Clean-Up, Restoration, Corrective Action

- ☐ 1. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund). Please identify and include date of Record of Decision.
- ☐ 2. RCRA Corrective Action. Please provide date of RCRA/HSWA permits that require corrective action.
- ☐ 3. Other Federal, State, tribal, or local environmental clean-up, restoration, corrective action regulations not listed above. Please include date of requirement.

**Facility Name**                      National Renewable Energy Laboratory

**Facility Location:**              Golden, Colorado

The National Environmental Performance Track is a U.S. Environmental Protection Agency program and the Colorado Environmental Leadership Program is a Colorado recognition program administered by the Colorado Department of Public Health and Environment. Please direct inquiries to 1-888-339-PTRK (7875) or e-mail [ptrack@indecon.com](mailto:ptrack@indecon.com). Or contact the Colorado Environmental Leadership Program at (303) 692-3477 or e-mail [cdphe.ppelp@state.co.us](mailto:cdphe.ppelp@state.co.us).

To submit your application to EPA Performance Track or for both programs:

- 1) E-mail the completed application to [ptrack@indecon.com](mailto:ptrack@indecon.com) ,  
**and**
- 2) Fax the completed and signed Section E (**not** the entire application) to  
(617) 354-0463.

To submit your application to only the Colorado Environmental Leadership Program:

- 1) E-mail the completed application to [cdphe.ppelp@state.co.us](mailto:cdphe.ppelp@state.co.us) ,  
**and**
- 2) Fax the completed and signed Section E (**not** the entire application) to  
(303) 782-4969.